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# EDUCATION

## DEAKINUNIVERSITY

Master of Data Science

July 2022 | Melbourne, VIC

## BAHRIAUNIVERSITY

### Bachelors of Software

Engineering July 2018 | Islamabad, VIC

# COURSEWORK

## GRADUATE

Machine Learning & Deployment

Deep Learning

NLP & AI for Cybersecurity Analysis of Algorithms

# SKILLS

## PROGRAMMING

SQL • PL / SQL •.NET

C • C++ • C#

Python • FastAPI • Flask

GEN AI (GPT, Claude, OpenAI APIs) Model Training & Tuning • CI/CD

## TECHNOLOGY

Oracle Database • AWS • Azure

Database Indexing & Optimization

Stored Procs • Functions • Triggers

PL/SQL Performance Tuning ETL • Backup/Recovery • Data Modeling

# SOFTSKILLS

Stakeholder Collaboration Analytical Thinking Problem Solving

Time Management Cross-Functional Teamwork

# SOCIETIES

Deakin University Computer Society

(DUCS)

Scrum Alliance Certified ScrumMaster

## AIENGINEER|MACHINELEARNINGENGINEER

AI & ML specialist with expertise in NLP, deep learning, model deployment, and automation. Passionate about building AI-powered solutions that drive real-world impact. Experience in AI model deployment, MLOps, and cloud-based AI applications.

# PROJECTS

## AI-POWEREDDENTALAPPOINTMENTSCHEDULER

### Personal Project

January 2025 | Melbourne, VIC

* Developed an NLP-driven AI voice assistant for automated dental appointment booking, integrating speech-to-text (Whisper API) & text-to-speech (Google TTS) with 92% accuracy.
* Designed a scheduling algorithm using FastAPI, PostgreSQL, and .NET, achieving 100% automation of the booking process.
* Deployed the AI model using AWS Lambda & Docker, reducing response time by 30% and ensuring scalability.
* Improved booking accuracy by 30% based on user feedback and model retraining.

## AI-GENERATEDNO-CODEWEBSITE

### Personal Project

February 2025 | Melbourne, VIC

* Built a fully functional AI-powered website generator (www.civaroai.com) using GPT-driven code conversion and C++ for backend efficiency.
* Integrated an automated demo scheduling system via AI chatbots, reducing administrative workload by 30%.
* Increased website traffic by 15% through Google Search Console optimization.

## WECLAN

### Cyber Security Intern

April 2024 – July 2024 | Melbourne, VIC

* Developed a C-based security alert classifier with anomaly detection, reducing false positives by 25%.
* Conducted penetration testing automation using ML-based pattern recognition models, improving threat detection efficiency.
* Built dashboard visualizations to monitor compliance metrics using Power BI & Python.

## LEARNINGINSIGHTREPORT

### Research Project

July 2022 | Melbourne, VIC

* Developed ML models predicting financial stability with 90% accuracy, utilizing XGBoost & Random Forest.
* Designed interactive Tableau dashboards for audience engagement tracking.
* Conducted customer segmentation analysis for targeted business strategies.

## INTERACTIVEMEDICALDATADASHBOARD

### Hudson Institute of Medical Research

Oct 2021 | Melbourne, VIC

* Built real-time SQL-connected Tableau dashboards for enhanced medical data visualization.
* Collected, cleaned, and analyzed large-scale patient datasets for statistical insights.
* Assisted in developing predictive models for medical research applications.

# LINKS

Github:// https://github.com/umairsaeed01

Certifications:// https://skillsoft.digitalbadges.skillsoft.com/profile/umairsaeed185770/wallet

LinkedIn:// https://www.linkedin.com/in/umirsaed/

